

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



1.942  
C 5 P 941  
1944

UNITED STATES DEPARTMENT OF AGRICULTURE  
WAR FOOD ADMINISTRATION  
Office of Distribution

Regulations Governing Cotton Fiber and Spinning Tests  
Under the Act of April 7, 1941  
(Promulgated September 11, 1944)

Pursuant to the provisions of the Act of April 7, 1941 (55 Stat. 131; 7 U. S. C., Supp. III, 473d), and by virtue of the authority vested in the War Food Administrator, the regulations applicable to cotton fiber and spinning tests (7 CFR, Cum. Supp., 27.501 et seq.) are amended to read as follows:

Administration

Sec.

- 27.501 Authority.
- 27.502 Laboratories.

Fiber and Spinning Tests

- 27.503 Testing of samples.
- 27.504 Requirements as to samples.
- 27.505 Costs of submitting samples.
- 27.506 Disposition of samples.

Fees

- 27.507 Prescribed fees.
- 27.508 Fees for special tests.
- 27.509 Payment of fees.

Miscellaneous

- 27.510 Limitation of testing services.
- 27.511 Confidential information.
- 27.512 False and misleading information.

AUTHORITY, 27.501 to 27.512, inclusive, issued under 55 Stat. 131; E. O. 9280, 7 F. R. 10179; E. O. 9322, 8 F. R. 3807; E. O. 9334, 8 F. R. 5423; E. O. 9392, 8 F. R. 14783.

Administration

27.501 Authority. The Director of Distribution, War Food Administration, is charged with the administration of the provisions of the act and the regulations in this part and is authorized to issue such instructions as he may deem proper and necessary.

DEC 2 9 1944



27.502 Laboratories. Laboratories shall be maintained at points designated by the Director of Distribution.

#### Fiber and Spinning Tests

27.503 Testing of samples. The Director of Distribution or his authorized representatives, upon written requests, shall make fiber and spinning tests of the properties of cotton samples and report the results thereof to the persons from whom such requests are received, subject to compliance by such persons with the regulations in this part and to the payment by them of fees as prescribed herein.

27.504 Requirements as to samples. Each sample of ginned cotton lint submitted for fiber tests shall weigh approximately eight ounces and each sample submitted for spinning and fiber tests, or for spinning tests alone, shall weigh not less than five pounds when carded yarn tests are desired and not less than eight pounds when combed yarn tests are desired. When the ginning of samples for spinning tests is requested, a sufficient quantity of seed cotton to provide from five to ten pounds of lint shall be submitted. Each sample submitted for testing shall be labeled or marked to show the name and address of the person submitting it and each sample shall be wrapped separately. The separately wrapped samples may be sent in one or more parcels, each of which shall bear on the outside thereof the name and address of the person submitting it. Each individual sample submitted for testing shall contain a tag or coupon bearing a number or other identification symbol. Persons who submit samples to laboratories for testing shall comply with any Federal or State quarantine requirements applicable to counties from which such samples are shipped.

27.505 Costs of submitting samples. The transportation of samples to a laboratory for testing shall be without expense to the Government.

27.506 Disposition of samples. The remnants of samples and the other materials accumulated in the making of tests under the regulations in this part shall be the property of the Government, but portions of such samples and materials may be used for illustrative purposes in connection with laboratory reports submitted to persons applying for such tests. Upon request, cottonseed will be returned to the owner at his expense.



# Fees

27.507 Prescribed fees. (a) Fees for fiber and spinning tests shall be assessed in accordance with items 1 to 32, inclusive, listed below;

Item No. and kind of test	Fee per test
(1) Ginning of test samples . . . . .	\$ 1.00
(2) Fiber length array, 3 sortings per test; three values calculated from array data; upper quartile length, mean length, and coefficient of variation . . . . .	6.00
(2a) Fiber length array, 3 sortings per test; values calculated from array data; upper quartile length, mean length, coefficient of variation, and percentage of fiber by weight in each 1/8-inch length group (averages of 3 determinations) . . . . .	7.50
(2b) Fiber length array of Purified or Absorbent cotton according to U. S. Pharmacopoeia Standards . . . . .	10.00
(3) Fiber length by fibrograph, 5 measurements per sample . . . . .	.50
(3a) Fiber length by fibrograph, 5 or more replicate sub-samples, 2 measurements per sub-sample . . . . .	.20
Minimum	1.00
(4) Fiber strength, round bundle, 10 breaks per sample . .	5.00
(5) Fiber strength, flat bundle, 6 breaks per sample . . .	1.00
(5a) Fiber strength, flat bundle, 5 or more replicate sub-samples, 2 breaks per sub-sample . . . . .	.30
Minimum	1.50
(6) Fiber fineness (weight per inch) and maturity, 2 measurements each per sample . . . . .	5.00
(7) Fiber cross section (photomicrograph - 1,000 magnifications); includes one photomicrograph print and determination of average fiber diameter, wall thickness, and circularity ratio, based on measurement of 200 fibers . . . . .	7.50
(8) Cellulose alignment (X-ray), 2 measurements per sample . . . . .	2.50
(9) Combination fiber test (Nos. 2, 4, and 6) . . . . .	14.00
(10) Combination fiber test (Nos. 3, 5, and 6) . . . . .	6.00
(11) Spinning test, carded yarn; includes 22s, one of following standard counts; 14s, 36s, 44s, 50s, 60s, and one additional optional count, the two counts other than 22s to be designated by applicant; data furnished; grade and staple classification of raw cotton, manufacturing waste, yarn skein strength and appearance grade, and 3 yarn boards . . . . .	20.00

Item No. and kind of test (cont'd)	Fee per test
(12) Spinning test, combined yarn; as specified in item 11 for carded yarn (for cotton longer than 1-1/4 inches, yarn counts spun are 60s, and 80s or 100s, and one additional optional count) . . . . .	\$ 25.00
(13) Spinning test, carded and combed yarns, same yarn counts for carded and combed; as specified in items 11 and 12 . . . . .	32.00
(14) Combination fiber and spinning tests (Nos. 2, 4, 6, and 11) . . . . .	33.00
(15) Combination fiber and spinning tests (Nos. 3, 5, 6, and 11) . . . . .	25.00
(16) Combination fiber and spinning tests (Nos. 2, 4, 6, and 12) . . . . .	38.00
(17) Combination fiber and spinning tests (Nos. 3, 5, 6, and 12) . . . . .	30.00
(18) Combination fiber and spinning tests (Nos. 2, 4, 6, and 13) . . . . .	44.00
(19) Combination fiber and spinning tests (Nos. 3, 5, 6, and 13) . . . . .	36.00
(20) Additional yarn counts in connection with spinning tests and combination fiber and spinning tests (items 11 to 19), for each such additional count . . . . .	5.00
(21) Spinning, plying, and testing each count of yarn, 2 or 3 ply only (this test performed only in connection with spinning tests and combination fiber and spinning tests . . . items 11 to 19) . . . . .	8.00
(22) Tire cord test; manufacturing and testing 23s/5/3 tire cord, including testing for strength, elongation, twist, and gage (this test performed only in connection with spinning tests and combination fiber and spinning tests . . . items 11 to 19) . . . . .	20.00
(23) Yarn skein strength and size and yarn appearance determinations (20 skein breaks per sample), and furnishing one yard board . . . . .	2.00
(24) Moscrop single strand test; strength and size on 6 bobbins or less (minimum 36 breaks per bobbin) . . . . .	2.00
(25) Shirley Analyzer separation of lint and foreign matter on 4-ounce sample of raw cotton, cotton waste, or linters . . . . .	2.00
(26) Shirley Analyzer separation of lint and foreign matter on 1-pound sample of raw cotton, cotton waste, or linters . . . . .	5.00
(27) Picker and card waste test, including nep count in card web, 5-pound sample . . . . .	5.00
(28) Classification, including grade and staple length, per sample . . . . .	.25



Item No. and kind of test (cont'd)	Fee per test
(29) Fabric strength test (grab method), 5 breaks each warpwise and fillingwise . . . . .	\$ 8.00
(30) Fabric weaving and testing, including preparation of warp, weaving, and testing of a standard sheeting construction . . . . .	25.00
(31) Furnishing more than two copies of test results, per sheet . . . . .	.25
(32) Furnishing copies of test data work sheets, per sheet .	.40

(b) Persons who first submit samples for complete fiber tests as provided in items 9 and 10 may during the progress of such tests, or within sixty days after the date of the laboratory report on any test, file a supplemental request for a complete spinning test of the same cotton, and the total fees assessed for such combined tests shall be as prescribed in items 14 to 19, inclusive.

(c) Fees for combinations of tests not provided for in this section shall be as determined by the Director of Distribution.

27.508 Fees for special tests. In the discretion of the Director of Distribution, special tests not listed in 27.507 may be made to the extent that available facilities will permit, subject to the payment of fees as determined by him.

27.509 Payment of fees. As soon as practicable after the fifteenth and the last day of each calendar month, bills shall be rendered by officers in charge of testing laboratories to all persons from whom payment of fees and costs under the regulations in this part shall have become due, provided that when necessary any bill may be rendered at an earlier date. Payments under the regulations in this part shall be by certified check or by draft or post office or express money order payable to the order of "Treasurer of the United States."

#### Miscellaneous

27.510 Limitation of testing services. If at any time funds available for services under the regulations in this part may be insufficient to provide for the testing of all samples that may be submitted for the purpose, the Director of Distribution may place reasonable limitations upon the quantities of samples to be submitted by individuals during any one fiscal year or any one calendar month, and may direct that samples received from cotton breeders shall take precedence over those received from other persons.

27.511 Confidential information. No information concerning individual tests under the regulations in this part shall be published or communicated in such a way as to disclose to others the identity of the owners of cotton represented by samples submitted for testing, except with the written permission of such owners.

27.512 False and misleading information. The publication or communication by any person of false or misleading information concerning the results of tests as reported by laboratories under the regulations in this part shall be deemed sufficient cause for denial of testing services to such persons.

Issued at Washington, D. C., this  
11th day of September, 1944.

(signed)

ASHLEY SELLERS  
Assistant War Food Administrator

(Published in Federal Register September 13, 1944. Vol. 9, No. 183)